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CONFIDENTIAL 25X1C

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PHOTOGRAPHIC INTERPRETATION REPORT

# SUMMARY



25X1A

MISSION 5157

6 JULY 1966

NPIC/R-258/66

AUGUST 1966

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GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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**WARNING**

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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## PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the index (MI) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

Map base used for derivation of coordinates is the best available among these series: US Air Target Chart, Series 200; AMS; ONC; or DIA JOG, 1:250,000.

The header line for each target contains, reading from left to right, the target name, the geographic coordinates,

the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photointerpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), and P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

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THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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| Target  | Coordinates  | WAC  | Target Numbers      |       |
|---|--------------|------|---------------------|-------|
|   |              |      | BE                  | NPIC  |
| <p>-NORTH VIETNAM-</p> <p>MISSILES</p> <p>HA NOI SAM SITE B34-2 (117)</p> <p>14.5 NM NW OF HA NOI.</p> <p>SITE CONSISTS OF 4 UNREVIEWED LAUNCH POSITIONS AND AN UNREVIEWED CENTRAL GUIDANCE AREA.</p> <p>OB -- 1 MISSILE IN LAUNCH POSITION, 2 LAUNCHERS IN LAUNCH POSITIONS, AND A PROBABLE FAN SONG RADAR WITH ASSOCIATED VANS. (SEE ATTACHMENT 1)</p> <p>[REDACTED] 25X1D</p>  | 2114N 10544E | 0616 | 25X1A<br>[REDACTED] | 326-J |
| <p>HA NOI SAM SITE B01-2 (119)</p> <p>15.4 NM NNE OF HA NOI AT UTM WJ917539.</p> <p>FIELD-DEPLOYED SA-2 SAM SITE CONSISTS OF 4 PARTIALLY REVIEWED LAUNCH POSITIONS AND A CAMOUFLAGED CENTRAL GUIDANCE AREA.</p> <p>OB -- 4 PROBABLE MISSILES ON TRANSPORTERS (ADJACENT TO LAUNCH POSITIONS), 4 PROBABLE LAUNCHERS IN LAUNCH POSITIONS, AND A POSSIBLE FAN SONG RADAR WITH ASSOCIATED VANS. (SEE ATTACHMENT 2)</p> <p>[REDACTED] 25X1D</p> | 2117N 10553E | 0616 | [REDACTED]          | 326-K |
| <p>HA NOI SAM SITE C33-2 (120)</p> <p>21.8 NM NW OF HA NOI AND IN THANH GIA AT UTM WJ646567.</p> <p>SITE CONSISTS OF 4 UNREVIEWED LAUNCH POSITIONS AND A CAMOUFLAGED CENTRAL GUIDANCE AREA.</p> <p>OB -- 4 SA-2 MISSILES IN LAUNCH POSITIONS, 1 PROBABLE MISSILE TRANSPORTER ON ADJACENT ROAD, A PROBABLE FAN SONG RADAR WITH</p>   | 2118N 10537E | 0616 | [REDACTED]          | 241-I |

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| Target  | Coordinates  | WAC  | Target Numbers      |       |
|---|--------------|------|---------------------|-------|
|   |              |      | BE                  | NPIC  |
| ASSOCIATED VANS, AND AT LEAST 10 OTHER VEHICLES.<br>(SEE ATTACHMENT 3)<br>[REDACTED] 25X1D  |              |      |                     |       |
| ELECTRONICS/COMMUNICATIONS  |              |      |                     |       |
| PHUC YEN RADAR SITE ENE<br>4.5 NM ENE OF PHUC YEN AIRFIELD AT<br>UTM WJ919478.<br>SITE CONSISTS OF 1 TOKEN-TYPE RADAR.<br>[REDACTED] 25X1D  | 2113N 10553E | 0616 |                     | 326-L |
| STORAGE   |              |      |                     |       |
| VIET TRI PETROLEUM PRODUCTS STORAGE<br>IMMEDIATELY SOUTH OF VIET TRI.<br>AREA CONSISTS OF 3 MEDIUM AND 4 SMALL POL<br>TANKS AND AN ADJACENT AREA CONTAINING<br>6 SUPPORT BUILDINGS. AREA HAS BEEN<br>SUBJECTED TO AIR STRIKE AND NUMEROUS BOMB<br>CRATERS OBSERVED OUTSIDE TANK FARM.<br>POL TANKS DO NOT APPEAR DAMAGED.<br>[REDACTED] 25X1D | 2117N 10526E | 0616 | 25X1A<br>[REDACTED] | 262-D |

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THIS SECTION PROVIDES A DESCRIPTION OF PREVIOUSLY REPORTED TARGETS SHOWING CHANGE.

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| Target   | Coordinates   | WAC                                 | Target Numbers                                   |  |
|--|---|-------------------------------------|--|--|
|  |   |                                     | BE   | NPIC                                   |
| <p>-NORTH VIETNAM-</p> <p>MISSILES</p> <p>HA NOI SAM SITE A17A-2 (45)<br/>9.4 NM SSE OF HA NOI.<br/>SITE CONSISTS OF AT LEAST 3 REVETTED LAUNCH POSITIONS, A CENTRAL GUIDANCE AREA, AND AN ACQUISITION RADAR SITE.<br/>OB -- 3 MISSILES IN LAUNCH POSITIONS, A PROBABLE FAN SONG RADAR, AND A PROBABLE SPOON REST RADAR.<br/>[REDACTED] 25X1A<br/>[REDACTED] 25X1D</p> <p>HA NOI SAM SITE B33-2 (64)<br/>11 NM NW OF HA NOI AT UTM WJ762417.<br/>SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS, A REVETTED CENTRAL GUIDANCE AREA, 2 REVETTED MISSILE-HOLD POSITIONS, AND A REVETTED ACQUISITION RADAR SITE<br/>0.2 NM NORTH.<br/>OB -- 5 MISSILES IN LAUNCH POSITIONS, 1 LAUNCHER IN LAUNCH POSITION, 1 CANVAS-COVERED PROBABLE MISSILE TRANSPORTER, A PROBABLE FAN SONG RADAR WITH 7 ASSOCIATED VANS, AND A PROBABLE SPOON REST RADAR.<br/>[REDACTED] 25X1A<br/>[REDACTED] 25X1D</p> <p>ELECTRONICS/COMMUNICATIONS</p> <p>HA DONG COMMUNICATIONS FACILITY<br/>3.5 NM SW OF HA NOI AND 1.1 NM EAST OF HA DONG AT UTM WJ830194.<br/>FACILITY CONTAINS AT LEAST 6 HORIZONTAL DIPOLE ANTENNAS AND NUMEROUS SMALL MASTS</p> | <p>2052N 10554E</p> <p>2110N 10544E</p> <p>2058N 10548E</p> | <p>0616</p> <p>0616</p> <p>0616</p> | <p>25X1A</p> <p>[REDACTED]</p> <p>[REDACTED]</p> | <p>266-G</p> <p>411-A</p> <p>256-H</p> |

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| Target   | Coordinates  | WAC  | Target Numbers      |       |
|--|--------------|------|---------------------|-------|
|  |              |      | BE                  | NPIC  |
| AND TOWERS. A SECURED SUPPORT AREA CONTAINS<br>1 CONTROL BUILDING, 6 SUPPORT BUILDINGS, AND<br>A COOLING POND.<br>[REDACTED] 25X1D   |              |      |                     |       |
| STORAGE  |              |      |                     |       |
| NGUYEN KHE PETROLEUM PRODUCTS STORAGE<br>0.3 NM SOUTH OF NGUYEN KHE AT UTM WJ887406.<br>AREA HAS BEEN SUBJECTED TO AIR STRIKE AND<br>CONTAINS 1 DESTROYED POL STORAGE TANK, 3<br>ABOVEGROUND POL TANKS, 9 BURIED POL TANKS,<br>AND 19 SUPPORT BUILDINGS. SEVERAL BOMB<br>CRATERS OBSERVED IN AREA.<br>[REDACTED] 25X1D | 2109N 10551E | 0616 | 25X1A<br>[REDACTED] | 221-E |

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THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

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| Target   | Coordinates   | WAC   | Target Numbers   |   |
|--|---|---|--|---|
|  |   |   | BE   | NPIC  |
| <p>-NORTH VIETNAM-</p> <p>MISSILES</p> <p>HA NOI SAM SITE A17A-2 (45)<br/>OB -- 3 MISSILES IN LAUNCH POSITIONS, A<br/>PROBABLE FAN SONG RADAR, AND A PROBABLE<br/>SPOON REST RADAR.<br/>[REDACTED] 25X1A<br/>[REDACTED] 25X1D</p> <p>HA NOI SAM SITE B33-2 (64)<br/>OB -- 5 MISSILES IN LAUNCH POSITIONS,<br/>1 LAUNCHER IN LAUNCH POSITION, 1 CANVAS-<br/>COVERED PROBABLE MISSILE TRANSPORTER, A<br/>PROBABLE FAN SONG RADAR WITH 7 ASSOCIATED<br/>VANS, AND A PROBABLE SPOON REST RADAR.<br/>[REDACTED] 25X1A<br/>[REDACTED] 25X1D</p> <p>HA NOI SAM SITE B34-2 (117)<br/>OB -- 1 MISSILE IN LAUNCH POSITION, 2<br/>LAUNCHERS IN LAUNCH POSITIONS, AND A<br/>PROBABLE FAN SONG RADAR WITH ASSOCIATED<br/>VANS.<br/>(SEE ATTACHMENT 1)<br/>[REDACTED] 25X1D</p> <p>HA NOI SAM SITE B01-2 (119)<br/>OB -- 4 PROBABLE MISSILES ON TRANSPORTERS<br/>(ADJACENT TO LAUNCH POSITIONS), 4 PROBABLE<br/>LAUNCHERS IN LAUNCH POSITIONS, AND A POSSIBLE<br/>FAN SONG RADAR WITH ASSOCIATED VANS.<br/>(SEE ATTACHMENT 2)<br/>[REDACTED] 25X1D</p> | <p>2052N 10554E</p> <p>2110N 10544E</p> <p>2114N 10544E</p> <p>2117N 10553E</p> | <p>0616</p> <p>0616</p> <p>0616</p> <p>0616</p> | <p>25X1A</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> | <p>266-G</p> <p>411-A</p> <p>326-J</p> <p>326-K</p> |

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| Target   | Coordinates  | WAC  | Target Numbers      |       |
|--|--------------|------|---------------------|-------|
|  |              |      | BE                  | NPIC  |
| HA NOI SAM SITE C33-2 (120)<br>OB -- 4 SA-2 MISSILES IN LAUNCH POSITIONS,<br>1 PROBABLE MISSILE TRANSPORTER ON ADJACENT<br>ROAD, A PROBABLE FAN SONG RADAR WITH<br>ASSOCIATED VANS, AND AT LEAST 10 OTHER<br>VEHICLES.<br>(SEE ATTACHMENT 3)<br>[REDACTED] 25X1D | 2118N 10537E | 0616 | 25X1A<br>[REDACTED] | 241-I |
| AIR<br>PHUC YEN AIRFIELD<br>OB -- 6 BEAGLE, 17 FISHBED, 29 FAGOT/FRESCO,<br>AND 1 HOUND.<br>ACTIVITY -- 14 PROBABLE FISHBED (MIG-21)<br>SHIPPING CRATES.<br>[REDACTED] 25X1A<br>(SEE ATTACHMENT 4)<br>[REDACTED] 25X1D   | 2113N 10548E | 0616 | [REDACTED]          | 326-C |
| GROUND<br>NGUYEN KHE VEHICLE MAINTENANCE FACILITY<br>OB -- 34 TRUCKS.<br>[REDACTED] 25X1D  | 2109N 10551E | 0616 |                     | 221-F |
| ELECTRONICS/COMMUNICATIONS<br>HA NOI EW/GCI SITE<br>OB -- 3 UNIDENTIFIED VANS.<br>[REDACTED] 25X1D   | 2059N 10544E | 0616 |                     | 256-I |

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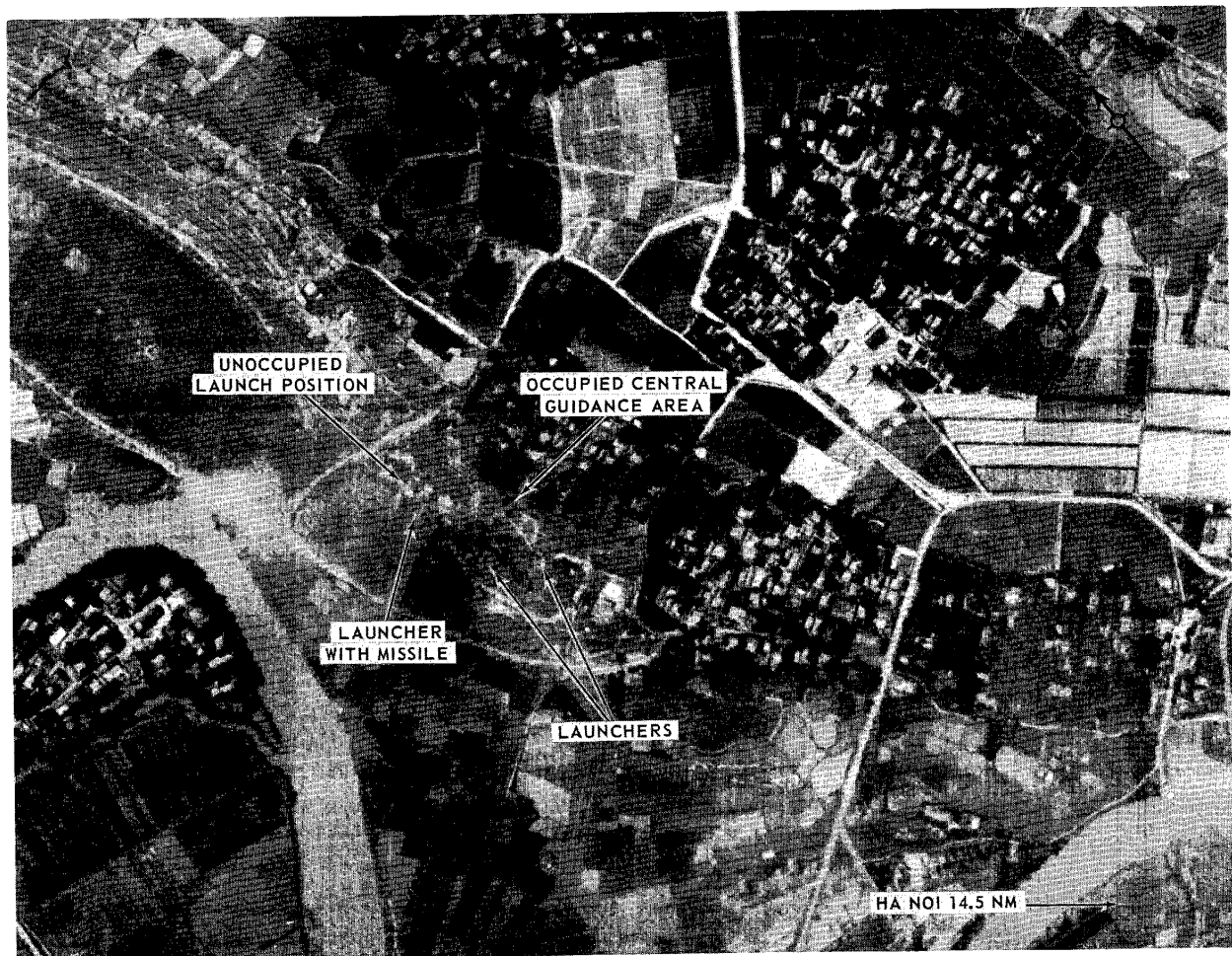
| Target   | Coordinates  | WAC  | Target Numbers |       |
|--|--------------|------|----------------|-------|
|  |              |      | BE             | NPIC  |
| PHUC YEN RADAR SITE ENE<br>OB -- 1 TOKEN-TYPE RADAR.<br>[REDACTED] 25X1D   | 2113N 10553E | 0616 |                | 326-L |
| MISCELLANEOUS<br>TRUCK CONVOY NORTH OF HAI DUONG<br>TRUCK CONVOY CONSISTS OF 5 CANVAS-COVERED<br>SA-2 MISSILE TRANSPORTERS AND 16<br>UNIDENTIFIED VEHICLES 1.8 NM NORTH OF<br>HAI DUONG.<br>[REDACTED] 25X1D | 2057N 10620E | 0616 |                |       |

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HA NOI SAM SITE B34-2 (117), NORTH VIETNAM.

NPIC L-1388 (8/66)



HA NOI SAM SITE B01-2 (119), NORTH VIETNAM.

NPIC L-1389 (8/66)

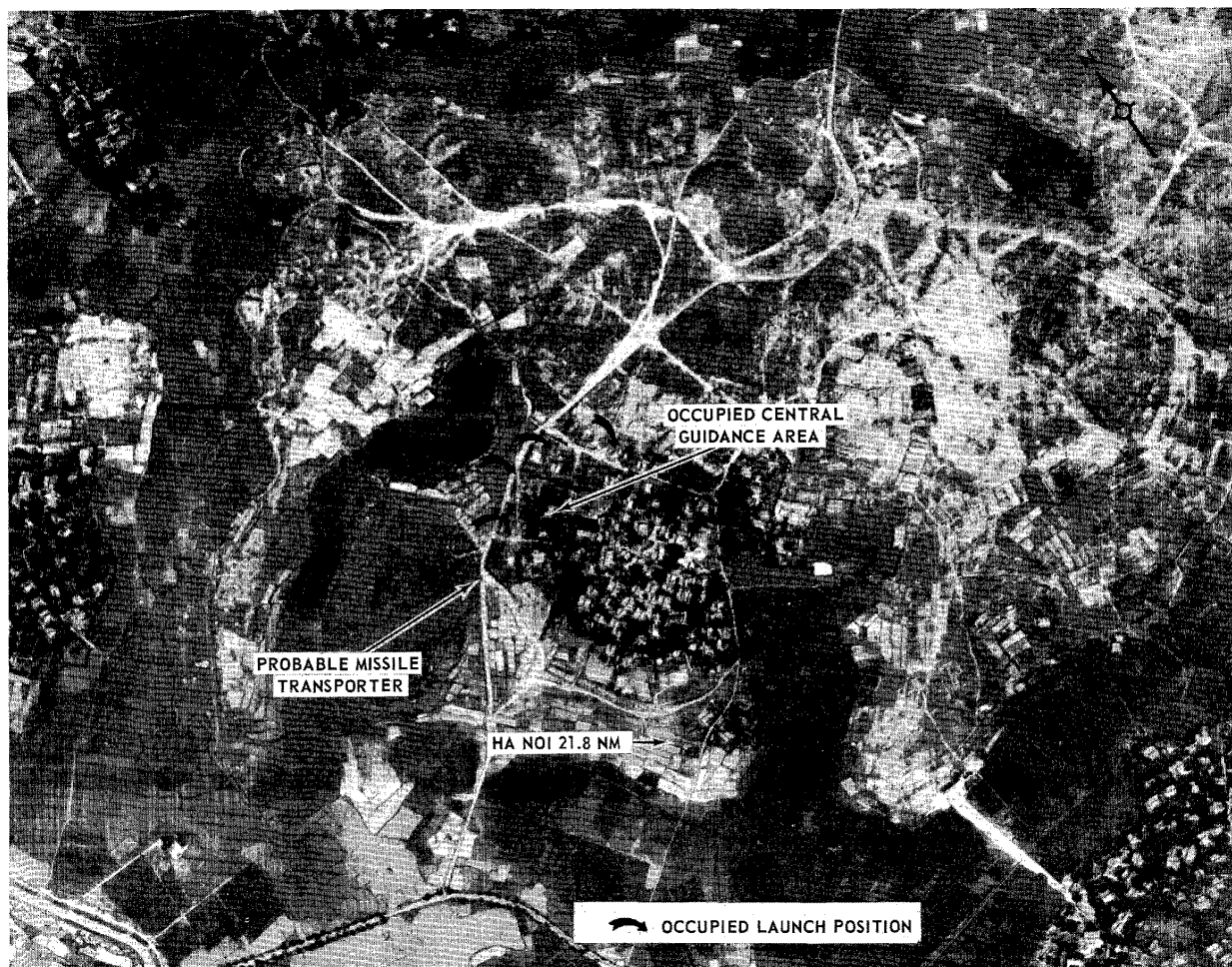
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ATTACHMENT 3



HA NOI SAM SITE C33-2 (120), NORTH VIETNAM.

NPIC L-1390 (8/66)

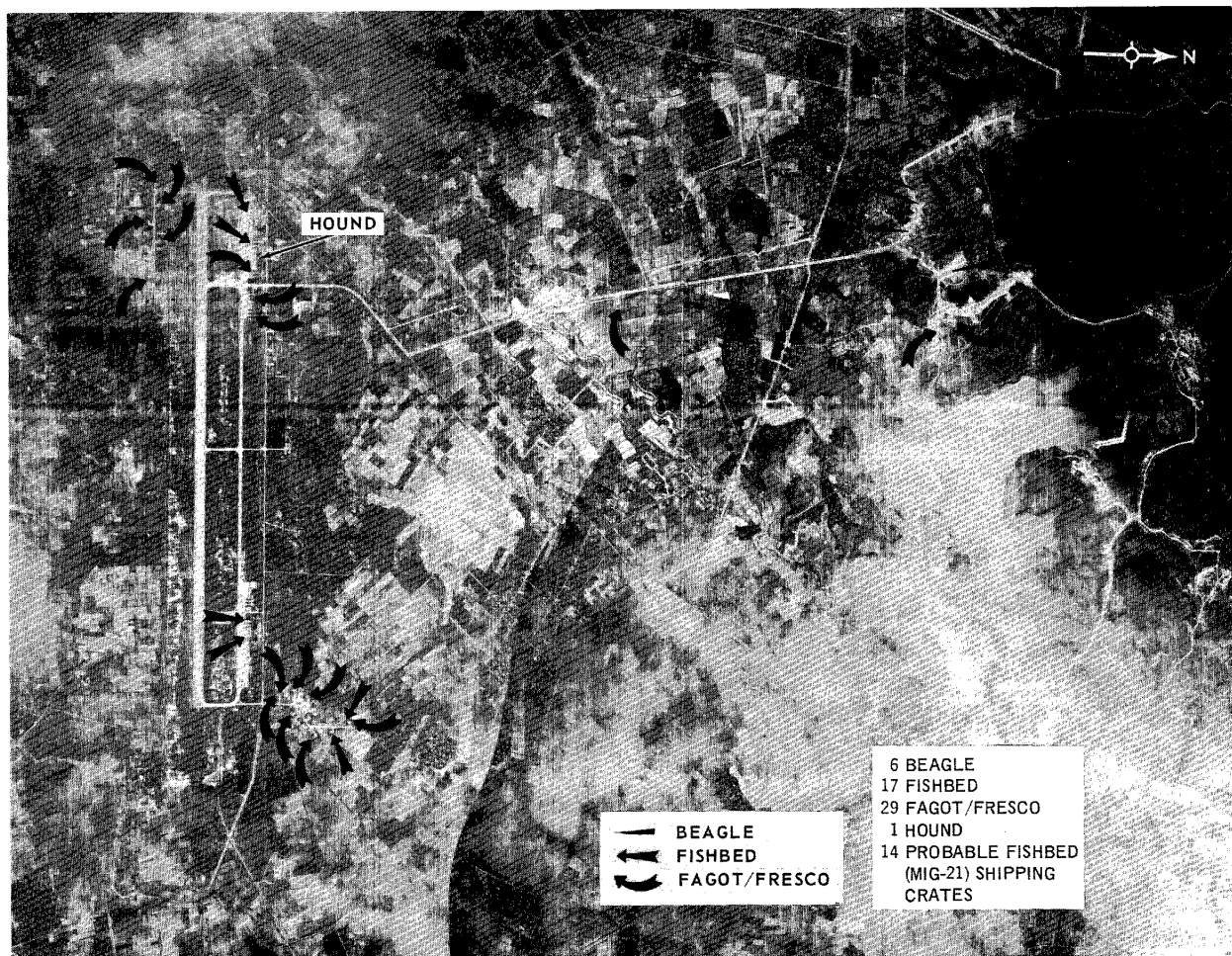
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PHUC YEN AIRFIELD, NORTH VIETNAM.

NPIC L-1391 (8/66)

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|       |      |
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| TITLE | NPIC |
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| SEC. | CLASS. | LOCATION |
|------|--------|----------|
| 1    | 1      | 1        |
| 2    | 2      | 2        |
| 3    | 3      | 3        |
| 4    | 4      | 4        |
| 5    | 5      | 5        |
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| 99   | 99     | 99       |
| 100  | 100    | 100      |

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C/NOFORN

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TITLE **NPIC**

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SEC. CLASS. LOCATION

**C/NOFORN**

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